



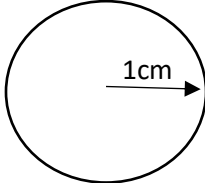


YEAR 11 HOMEWORK – 3T

Complete the questions in each box. Make sure that you show all of your workings

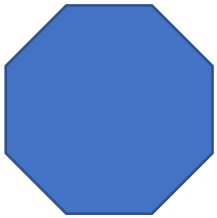
<p>1. Change 90 cm into metres.</p>	<p>2. $8 \div 2 + 4$</p>
<p>3. Solve $\frac{y}{3} = 15$</p>	<p>4. Here are four numbers. -9 -2 2 9</p> <p>Write one number in each box to make a correct calculation:</p> <p><input type="text"/> + <input type="text"/> = -11</p>

<p>5. Here are the first four terms of a number sequence. 10,15,20,25,....</p> <p>Write the next 2 terms.</p>	<p>6. There are 3 rods of length: $a + 2$,  $2a$  $3a - 1$ </p> <p>The total length of the 3 rods is L cm</p> <p>Find a formula for L. Write it in its simplest form.</p>
<p>7. Write down the number of lines of symmetry:</p> 	<p>8. Find the area using $A = \pi r^2$</p> 
<p>9. Raju records the mass in kg of 16 newborn babies. Draw a stem and leaf diagram for his results: 3.1, 1.2, 2.5, 4.2, 3.6, 2.3, 3.7, 1.8, 2.4, 3.7, 3.1, 3.9</p>	<p>10. There are 30 children in a nursery school. At least 1 adult is needed for every 7 children in the nursery. Work out the least number of adults needed in the nursery.</p>

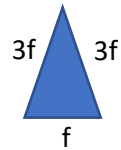
11. Simplify:
 $6k + 9k - 4p$

12. Use the formula $a = 4b + 3c$ to work out a when $b = 2$ and $c = 4$

13. Name the 8 sided shape:



14. Write an expression for the perimeter

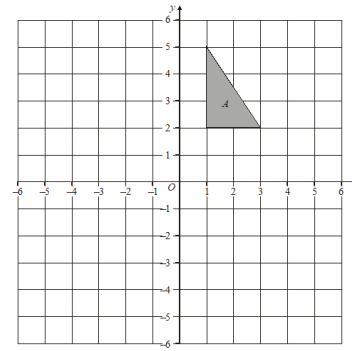


15. Complete this table of values for $y = x + 6$

x	-1	0	1	2	3
y					

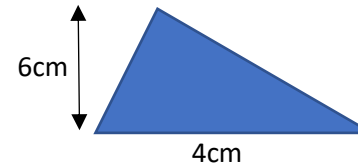
16. Bob drives at 40 km/h for 2 hours 30 minutes. How far does he drive?

17. Reflect the triangle in the x axis



18. A pack of 50 pencils costs £1.50
In a different shop, a pack of 40 pencils costs £0.80. Which pack is better value?

19. Work out the area of the triangle



20. Change 5 out of 20 to a percentage

WWW	
EBI 1	
EBI 2	